

Abstract:

The invention relates to a method for the synthesis of nucleic acids, where incubation of a polymerase, a nucleic acid that can be used as a template for the polymerase, NTPs and Mn^{2+} is performed under conditions that enable the synthesis of a nucleic acid strand and the method is characterised by conditions that comprise a molar ratio of Mn^{2+}/NTP of not more than 0.7.